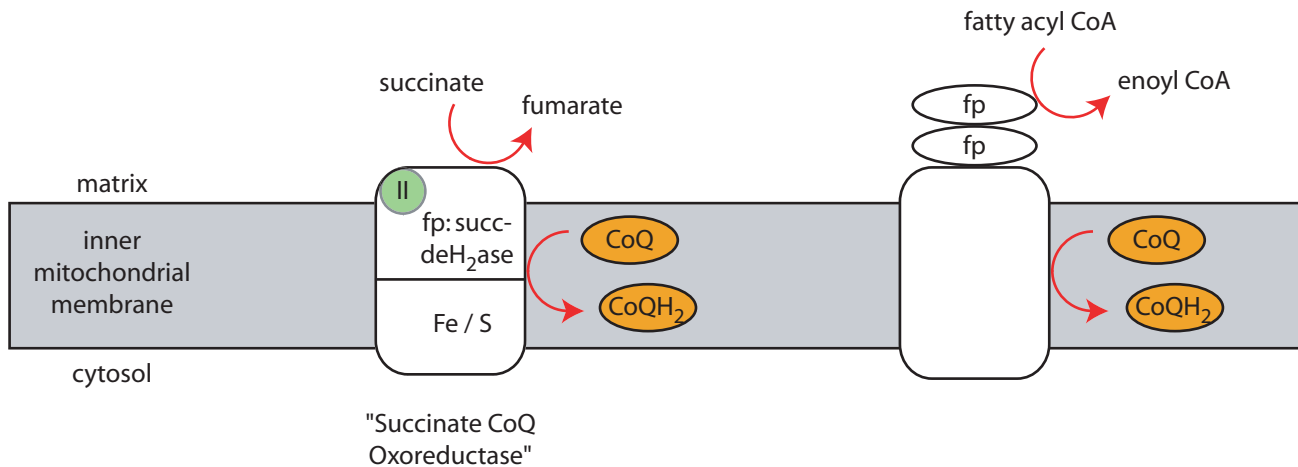
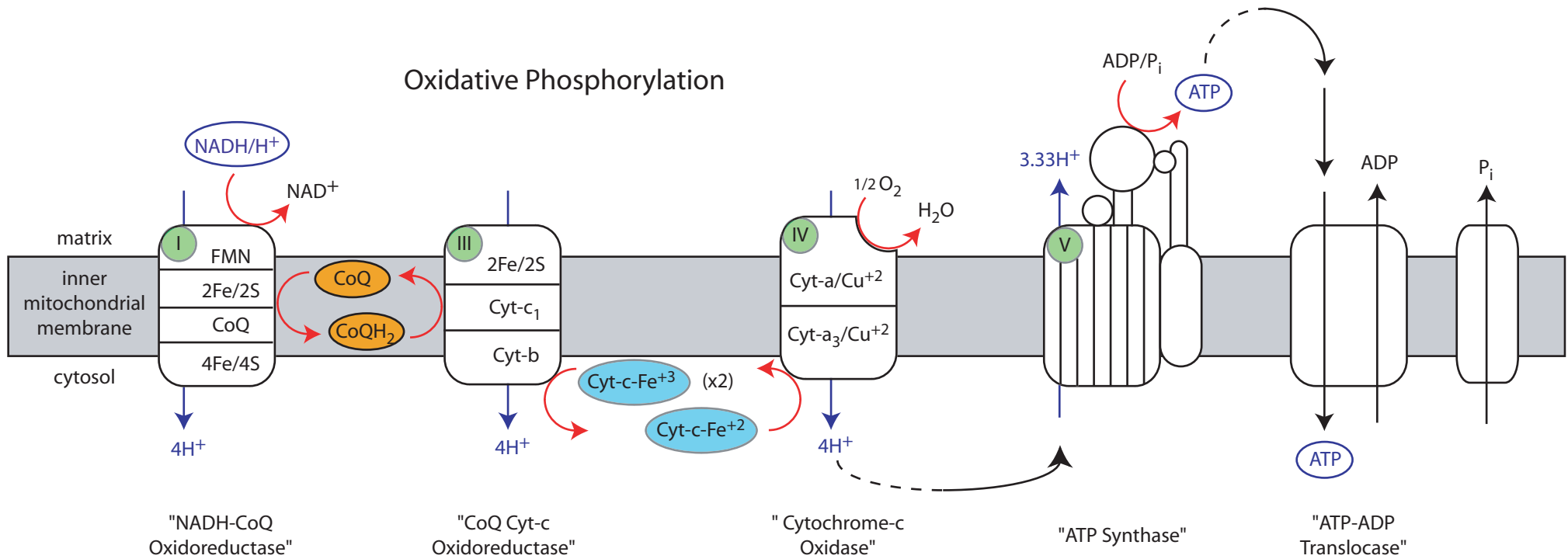


## Oxidative Phosphorylation



Note: Numbers don't necessarily add up

1 NADH --> 1 pair e<sup>-</sup>  
 1 pair e<sup>-</sup> --> 4H<sup>+</sup> per complex  
 ~3.33H<sup>+</sup> --> 1 ATP  
 1 NADH --> 2.5 ATP  
 1 fp --> 1.5 ATP

	ATP / ADP (cytosol)	ATP / ADP (matrix)	NADH / NAD <sup>+</sup>	H <sup>+</sup> Gradient	e <sup>-</sup> movement
Stop ATP Trans.	down	up			
Muscle Resting	up	up	up	builds up	stops
Lack of Oxygen	down		up	lost	stop at IV
2,4-Dinitrophenol	down	down		lost	never makes it to V